

(19) World Intellectual Property
Organization
International Bureau



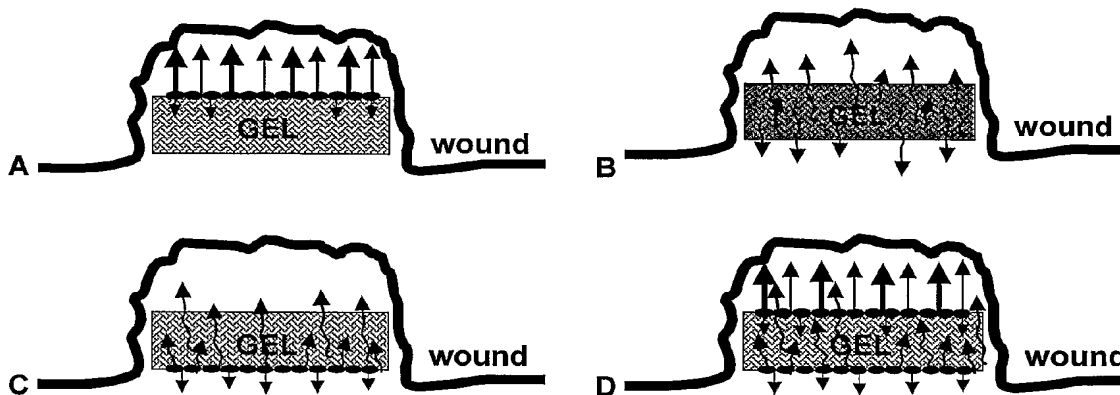
(43) International Publication Date
15 September 2005 (15.09.2005)

PCT

(10) International Publication Number
WO 2005/084650 A1

- (51) International Patent Classification⁷: **A61K 9/70**, B01J 13/00, A61L 15/44
- (74) Agents: **ZWICKER, Jörk** et al.; BOEHMERT & BOEHMERT, Hollerallee 32, 28209 Bremen (DE).
- (21) International Application Number: PCT/EP2005/002261
- (22) International Filing Date: 3 March 2005 (03.03.2005)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 04005008.0 3 March 2004 (03.03.2004) EP
- (81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- (71) Applicants (*for all designated States except US*): **SWITCH BIOTECH AG** [DE/DE]; Floriansbogen 2-4, 82061 Neuried (DE). **LUDWIG-MAXIMILIAN-UNIVERSITÄT** [DE/DE]; Geschwister-Scholl-Platz 1, 80539 München (DE).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): **STABENAU, Anke** [DE/DE]; Uffinger Strasse 2, 81477 München (DE). **WINTER, Gerhard** [DE/DE]; Antdorfer Strasse 18, 82377 Penzberg (DE). **SCHMIDT, Roland** [DE/DE]; Zollstrasse 5, 91801 Markt Berlzheim (DE).
- Published:**
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: PHARMACEUTICAL COMPOSITION FOR TOPICAL USE IN FORM OF XEROGELS OR FILMS AND METHODS FOR PRODUCTION



(57) Abstract: The present invention relates to dry delivery system comprising a xerogel or film with applied active ingredients for topical active ingredient delivery or other purposes. Said delivery system are obtainable by a method according to the invention. The present invention also provides for methods for achieving defined localization of stable or unstable active substances on dry xerogels or films, which can be reconstituted into hydrogels. From the obtained delivery systems, the active substances are released with advantageous release kinetics.